



TW400 UTILITY VEHICLE

O W N E R S M A N U A L



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American SportWorks welcomes you to its growing family of new product owners. This Utility Vehicle “UTV” is a light utility vehicle that has been designed with care and built by skilled workers using quality materials. Proper set-up, maintenance and safe operating practices will help you get years of satisfactory use from this vehicle.

Safety First

American SportWorks is fully aware of the need for safe operating procedures around all of our equipment. We hope you will make a sincere effort to put safety above all other priorities. The Utility Vehicle was designed and built for work, recreation, and enjoyment; however, improper and irresponsible operation could result in serious injury or death. Since this is an off-road vehicle, operators will seldom see the road safety and warning signs they are accustomed to seeing on highways and public streets. This places additional responsibility on the driver to operate this vehicle well within the safe operational limits and capabilities of the unit.

This manual has been prepared to instruct you in the safe and responsible operation of your Utility Vehicle. Read and abide by all safety alert information about this vehicle. If you do not understand any part of this manual, contact your local dealer for additional information and clarification. As the operator of this piece of equipment, you are in complete control. Only you can prevent an accident from happening.

Using This Manual

- Prior to any vehicle operation it is absolutely essential that you read and comprehend each section in this manual to develop an understanding of your vehicle and for your safety. After reviewing this manual, store it in a dry and easily accessible place for future reference.
- The Operator's Section is designed to help familiarize you with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.
- To order a new Operator's or Parts Manual contact your authorized dealer.

Terminology

Right-hand and left-hand as used in this manual are determined by facing the direction the vehicle will travel while in use unless otherwise stated.

Getting Acquainted with your Utility Vehicle

This off-road utility vehicle is a very unique vehicle designed exclusively for off-road use. It is not designed, properly equipped, or licensed to be safely operated on public streets and highways. This vehicle is designed to carry two people and a limited amount of gear or cargo comfortably and safely over rough terrain that was only accessible by ATV's in the past.

Unlike ATV's that have handlebar steering, Utility Vehicle's have a steering wheel with easy handling rack-and pinion steering. The steering's tight turning radius makes this vehicle more maneuverable than most ATV's. Its four wheeled independent suspension, large diameter hi-flotation tires and high center-frame ground clearance adds up to excellent stability and a smooth ride over rough terrain. Outstanding two wheeled rear traction drive is achieved by using premium off-road ATV type tires in tandem with the engine mounted directly in front of the rear differential.

Also unlike an ATV's one person “straddle saddle” seat, the Utility Vehicle sports dual headrest cushioned seats with seat belts mounted in a highly styled and protective full length body. Two passengers can ride comfortably in this vehicle protected from splashing water and mud. The Brush Guard Bar mounted to the vehicle's frame provides protection against low hanging limbs and briars.

The Brush Guard Bar also provides a mounting system for American SportWorks optional windshields, canopy tops and weather enclosures. It also serves as a mounting base for many other optional cargo racks, gun and bow racks. The cargo bed is for transporting accessories such as camping equipment, tree stands, hunting gear, and fishing gear. A standard hitch mounting plate enables quick installation of a rear hitch for pulling small trailers full of supplies, tools, gear, and game.

The Utility Vehicle has some similarities to an ATV. Like an ATV the Utility Vehicle has a short wheelbase, narrow stance, and high center clearance all which provide for narrow and difficult trail access. This combination of short wheelbase and narrow stance also enables this vehicle to be loaded in the back of most full to mid-sized pickups for transport.

The Utility Vehicle's ground compaction and is very gentle on the ground and surrounding vegetation. The highly energized four wheeled independent suspension system provides an incredibly soft ride and outstanding stability over difficult terrain. The engine is EPA certified and will meet California Air Resources Board (CARB) certification standards, when so equipped.

Owner Assistance

The safety information should be viewed by the owner and the Warranty Registration card should be filled out by the dealer at the time of purchase. The owner, upon purchasing the vehicle, should have participated in a short drivers training course with the dealer. This information is necessary to provide you with quality customer service.

The parts on your Utility Vehicle have been specially designed and should only be replaced with genuine American SportWorks parts.

If customer service or repair parts are required contact a American SportWorks dealer. They have trained personnel, genuine repair parts and equipment specially designed to repair American SportWorks products.

Always use the serial and model number when ordering parts for your Utility Vehicle. The serial-number plate is located under the cargo bed on the driver's side just above the engine, on the frame as shown in figure 1 below.

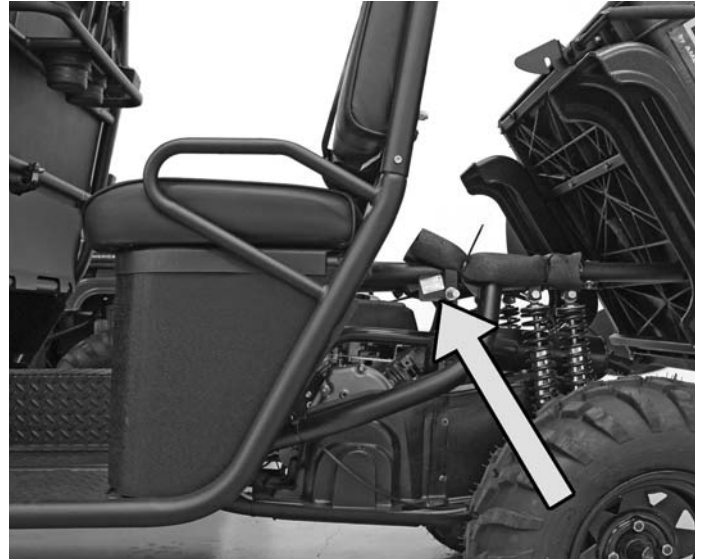


Fig. 1 **Serial Number Plate Location**

Record your Utility Vehicle serial number here for quick reference:

Model Number: _____

Serial Number: _____

Your American SportWorks dealer wants you to be satisfied with your new vehicle. If you do not understand any part of this manual or you're not satisfied with the service received, please take the following actions.

Discuss the matter with your dealership service manager. Make sure they are aware of any problems so they can assist you.

If you are still unsatisfied, seek out the owner or general manager of the dealership.



4404 Engle Ridge Drive
Fort Wayne IN 46804

62194 Commercial Street
Roseland, LA 70456

Toll Free 800-643-7332 • Fax 866-329-5278
www.amsportworks.com



Read These Important Rules for Safe Operation

Note: The Operator, Passenger, Parent or Guardian must read, study and understand all the items contained within this owners/operators manual before operating utility vehicle. Failure to follow these instructions could endanger the personal safety of the Operator, Passenger and any Bystanders.

Close adult supervision is required at all times!

**Pay close attention to all Caution and Warning labels
Located on the Utility Vehicle**

IMPORTANT

**When transporting any Utility Vehicle with an installed windshield or
Color matched top DO NOT reach high speeds!**

Assumption Of Risk

The owner or operator assumes all the risks incident to or arising out of the operation of this Utility Vehicle

**Failure to follow and comply with all warnings may
cause serious injury or death**

It is very important to read, understand, and follow all instructions and warnings located on the decals on your Utility Vehicle.

⚠ CAUTION

USE ONLY MID-GRADE UNLEADED GASOLINE (89-93 OCTANE)



This engine is designed to run on automotive gasoline with allowable ethanol blends from 0% - 10%.



Attempting to use anything other than this will cause damage to the engine and void the manufacturer warranty.

⚠ WARNING



This vehicle is not to be operated by anyone under **16 years** of age.

⚠ WARNING



HOT SURFACES

Surfaces around the engine and exhaust can be extremely hot. Allow surfaces to cool before servicing.

⚠ WARNING



EXHAUST GAS HARMFUL

Engine exhaust from this product contains chemicals, known in certain quantities to cause cancer, birth defects, or other reproductive harm.

⚠ WARNING ADVERTENCIA



VEHICLE MAY ROLL

This vehicle will handle differently from any ordinary passenger car or truck. Sharp turns or abrupt maneuvers at high speeds may cause this vehicle to roll over or go out of control. Read and understand Owner's Manual before operating this vehicle.

EL VEHÍCULO SE PUEDE VOLCAR

Este vehículo se maneja y se maniobra diferente de cualquier otro carro o camión común de pasajeros. Curvas cerradas o maniobras bruscas en alta velocidad puede causar una volcadura o pérdida del control. Lea y comprenda el Manual de Dueño antes de operar este vehículo. 11330-Y5

⚠ WARNING ⚠ ADVERTENCIA



NO RIDING

This cargo bed is intended for cargo only, not exceeding the rated weight load found in the Owner's Manual. All occupants must be inside the vehicle and wearing the proper restraints and safety gear. **Absolutely no riding on the outside of the vehicle or in cargo bed.**



LATCH DUMP BED

Driving with the cargo bed raised is hazardous. Always lower and latch bed before driving.

NO SUBIR

Esta caja de carga esta diseñada sólo para carga, no supere el peso recomendado en el Manual de Dueño. Todos los ocupantes deben estar adentro del vehículo usando equipo de seguridad y restricciones adecuadas. **No subir afuera del vehículo o en la caja de carga.**

SEGURO DE LA CAJA DE VOLCAR

Manejar con la caja de carga levantada es peligroso. Todo el tiempo manténgala abajo y use el seguro de la caja cuando maneje.

11330-WS

⚠ WARNING

OBSERVE THE FOLLOWING INSTRUCTIONS

Failure to understand and follow Warnings and Instructions for the safe use and maintenance of this product may result in **Death or Injury!** This information is contained in the Warning Labels, Owner's Manual & Supplements, Safety Video, and Engine Manual supplied with this product. Make sure that you understand and follow all Warnings and Instructions in this material.

- Always wear a D.O.T.-approved motorcycle helmet, eye protection, and protective clothing.
- Check tire pressures before operating. Refer to Owner's Manual for proper operating pressure.
- Do NOT operate the vehicle without the brush bars securely in place.
- Keep all covers and shields properly installed.
- Throttle and Brake Controls and Engine Stop Switch must work properly and freely before starting the engine.
- Operator must be seated, safety belt must be fastened, and brake applied before operating the vehicle.
- Never operate at speeds too fast for your skills or the conditions.
- Never attempt jumps or other stunts.
- Never ride after consuming alcohol, drugs, or other intoxicants.

If you did not receive any of the material listed above, please call **1-800-643-7332** and request to have them sent to you at no charge.



11330-V

⚠ WARNING



ALWAYS WEAR SEATBELT

Seatbelt must be properly fastened and adjusted for each occupant prior to operating the vehicle; See Owner's Manual.

Safe Operating Procedures

The safe operation of any machinery is a big concern to all consumers. Your Utility Vehicle has been designed with many built-in safety features. However, no one should operate this vehicle before carefully reading this Operator's Manual. Also read all instructions noted on the safety decals.

- Be familiar with all functions of this vehicle.
- Keep all bystanders away from this vehicle during operation.
- Do not allow anyone to operate this vehicle who has not fully read and comprehended this manual and who has not been properly trained in the safe operation of this vehicle.
- Do not operate a vehicle with damaged or defective parts. Repair all damages and defective parts before putting vehicle back in to service.
- Do not allow anyone under 16 years of age to operate this vehicle.
- Operator must always use both hands on the steering wheel.
- No riders allowed except in factory designed and supplied seating.
- Operate this vehicle from the driver's seat only.
- Do not leave this vehicle unattended with engine running.
- Do not dismount a moving vehicle as serious injury or death could occur.
- Always operate vehicle with belt guard installed. Do not leave pulleys and belts exposed.
- Do not touch engine, engine exhaust pipe and/or muffler while they are hot.
- Keep hands, feet, long hair, clothing, and jewelry away from moving parts and obvious pinch points to avoid getting caught.
- Wear snug-fitting clothing to avoid entanglement with moving parts.
- Some conditions may warrant extra safety gear to be worn such as safety helmets and/or goggles.
- Keep hands, arms, feet and all bodily appendages safely inside the confines of the vehicle.
- Always be aware of and avoid tree limbs and brush that have a potential of hitting and/or poking individuals riding the vehicle. Serious body harm could result.
- Avoid sudden stops, starts, and turns.
- Always operate your vehicle at a safe speed that will allow you to maintain control.
- Operator and passenger are responsible for deciding if their situation warrants using seat belts.
- Do not exceed total payload capacity of this vehicle.
- Do not pull a trailer or implement exceeding 1100 pound towing capacity or loss of control may result.
- Do not attach an implement, trailer or other device to the hitch that will produce negative tongue weight.
- Follow all towing instructions in this manual when towing the UTV behind another vehicle. Do not tow vehicle faster than 25 MPH.
- Do not use the vehicle as an anchor device.
- Beware, tow ropes, cables and chains can break when pulling another vehicle or object causing serious injury or death to anyone in line with the whipping action created when they break. Never jerk when pulling, always ease into a pull gently. Always stay clear of the tow line. Never be in line with the tow line.
- Reduce speed when loaded with cargo. Heavy cargo load takes longer to stop.
- Reduce speed and payload on hilly, rough, wet, slick or unstable ground.
- Always make turns at a speed that will maintain control of vehicle. Never make turns at full speed. Reduce speed when turning empty and reduce speed even more when turning loaded with cargo or when pulling a cargo load. The heavier the cargo load, the slower the turn should be.
- Make sure all gear or cargo is properly secured and tied down.
- Do not exceed 400 lbs. in cargo bed area (NOTE: 300lbs with rear seat kit installed), or 900 lbs. total on this vehicle.
- Do not mount a receiver hitch type carrier platform to the vehicle.
- Do not load the Brush Guard Bar with heavy equipment. Rollover could result from such loading.

- The Brush Guard Bar is not certified ROPS (Roll Over Protection System). Always avoid rollovers.
- Do not operate this vehicle on highways, public roads, or where it may be a hazard to faster moving traffic.
- Do not operate this vehicle while drinking or under the influence of alcohol and drugs.
- Never attempt wheelies, jumps, or other stunts. Never drive recklessly. Always operate your vehicle at a safe speed that will allow you to maintain control.
- Never use vehicle for racing and never modify the engine to exceed 25 MPH vehicle speed.
- Never modify any parts on the vehicle without authorization. Unauthorized modifications will void warranty to all parts directly and indirectly affected by the modification.
- Always make sure the vehicle pathway is clear of all objects when backing up. Know location of personnel around vehicle and especially location of small children. Take extra precautions when rear view is hindered by cargo.
- Always park on level ground, stop engine, set parking brake and remove ignition key before leaving the vehicle. Check tires if condition warrants.
- Use extreme caution when cresting hills or when visibility is limited. Proceed slowly until you are sure trail conditions immediately ahead are safe.
- Keep front wheels straight when cresting hills or going over bumps.
- Do not stop, start suddenly or over accelerate on hills. Loss of control and rollover could result.
- Use extreme caution when descending hills or running on loose slippery surfaces. Towing, braking, and tractive capabilities are greatly diminished.
- Do not operate vehicle on 15 degree slopes or steeper.
- Avoid changing direction or making sharp steering corrections on slopes or rollover may occur.
- If this vehicle begins to tip when crossing a slope, turn the front wheels downhill to regain stability and control.
- When crossing a slope on soft terrain, turn the front wheels slightly uphill and maintain a constant speed to maintain a straight line of travel.
- When descending hills or slopes apply steady pressure to the foot brake to avoid potential of freewheeling or runaway.
- Never allow vehicle to coast or free wheel in neutral or loss of control may result.
- If your vehicle loses power and stops on a hill, immediately engage the foot brake and back slowly down the hill maintaining a straight downhill line of travel. Do not attempt to turn the vehicle sideways on the hill or a rollover could result.
- When traveling at night always use your headlights and reduce speed according to visibility, trail, and terrain conditions.
- Avoid water crossings when possible and never cross a body of water where depth is unknown. Loss of power will occur if the drive belt becomes submerged or wet. Unnecessary crossing of streams and waterways erodes shore line and damages water-born habitat. If you must cross, do it at a point where banks are not steep and proceed at a slow and steady speed.
- Front bumper and brush guards are not designed as pusher bars. Do not attempt to push other vehicles or implements or damage may result.
- When refueling use an (UL) approved non-metallic container that has no screen or filter. Set the container on the ground before fueling to eliminate static discharge and do not use Methanol fuel.
- Do not smoke or use electrical devices including cell phones while refueling.
- Always maintain proper tire inflation.
- Always disconnect the negative battery terminal before making adjustments to the vehicle electrical system or welding on this vehicle.
- Battery fumes are explosive. A spark will ignite battery fumes. Wear a face shield when charging or jumping a battery. Follow all battery safety rules outlined in this manual.
- Avoid battery acid spills. Do not get battery acid on eyes, face, or other body parts. Flush eyes and other body parts immediately with water for at least 15 minutes if battery acid has gotten on them.
- Always check wheel lug nut torque values two hours after initial operation and two hours after each tire repair and/or replacement. Routinely check lug nut torque valves every 100 hours of operation.

- Support this vehicle securely before working beneath. Chock the wheels to prevent the vehicle from rolling.

- Do not shift transaxle unless this vehicle is fully stopped and the engine is at idle or damage may occur.

Each vehicle must undergo a Pre-Delivery Inspection by the Dealer. Listed below is an example of the checklist that is included with the Warranty Registration that is to be submitted to American SportWorks upon Retail Sale. The Pre-Delivery Certificate and Warranty Registration must be submitted to American SportWorks in order to activate the vehicle warranty.

Pre-Delivery Steps

The dealer is required to complete "Pre-Delivery" steps before customer may take possession of the vehicle. This information must be filled in and check list checked off or initialed by individuals performing the checks. Dealership's name, signatures of individuals filling in the form, seller's signature, customer's signature, and signing dates are also required.

Below is a list of the information that is required to be completed and checked off.

Vehicle Information

Model No. _____

Date _____

Serial No. _____

Engine Serial No. _____

Dealer Service and Inspection List

☐ Fully charge battery. Check battery voltage to verify that it is fully charged.

☐ Check fuel valve lever to make sure it is in the correct position.

☐ Check tire pressure to make sure front and rear tires have 5 psi.

☐ Make sure wheel lug bolts/nuts are tightened to 90 Newton meters (65ft.lbs).

☐ Check engine oil level at the dipstick. Add SAE 10W30 oil if oil is below the full mark on the dipstick.

*this should be done with seat (and under seat storage Tray if equipped) removed, with UTV on flat level surface

☐ Check engine for correct RPM. Set to factory specification if needed.

☐ Check tie rods for tightness.

☐ Check Choke Control. It should move and return freely.

☐ Step on foot brake to make sure the pedal is firm and does not go to the floor.

☐ Make sure seats and seat belts are properly fastened to the frame.

☐ Make sure all safety decals are in place.

☐ Check headlights to make sure they are working and are properly mounted.

☐ Inspect air cleaner element. Make certain it is clean and in place.

☐ Inspect the fuel tank to make sure it is properly installed and that there are no leaks.

☐ Check fuel level to make sure there is at least 1/8 of a tank of gas prior to performing initial starting operations.

☐ Inspect fuel lines to make sure they are properly installed and that there are no leaks.

☐ Check steering by executing a full lock to lock turn in each direction.

☐ Check parking brake to make sure it will engage, hold and release.

☐ Check throttle control to make sure it moves and returns freely.

☐ Check differential oil level at the differential oil plug. Add 30 weight oil if oil is low.

☐ Check overall appearance for cleanliness and for body and molding damage.

Dealer Test Ride List

☐ Check engine for starting, accelerating, running smooth, and idling smoothly.

☐ Check steering response. There should be no free play.

☐ Check forward, neutral, and reverse shifting response. Also check neutral start response.

☐ Check parking brake to make sure it engages, holds, and disengages.

☐ Make sure throttle is responsive and returns freely.

☐ Make sure the suspension ride is satisfactorily and stable.

☐ Make sure there are no fuel or petroleum leaks.

☐ Make sure the foot brake has a firm engagement and that stopping is straight.

☐ Make sure there are no abnormal rattles or vibrations.

Dealer Delivery to Customer List

☐ Warranty registration form is complete.

☐ Owner's Manual has been delivered to and reviewed by the customer.

☐ Engine Manual has been delivered to and reviewed by the customer.

☐ Warranty Policy limits and requirements have been explained to the customer.

☐ Location and functions of vehicle controls have been explained.

☐ Fuel transportation and storage procedures have been explained.

☐ Transportation of utility vehicle is limited to 55mph, when equipped with top and windshield

☐ Fluid fill and lubrication points have been located and explained to the customer.

☐ Information on the safety decals have been reviewed with the customer.

Customer Acceptance List

Customer initials required where accepted as successfully completed.

☐ Customer has reviewed and understood warranty policy (ies).

☐ Customer has inspected the vehicle and it meets customer satisfaction.

☐ Customer understands the importance of following the owner's manual instructions.

*** IMPORTANT NOTICE *** **WHEN TRANSPORTING ANY UTILITY VEHICLE WITH A WINDSHIELD OR COLOR MATCHED TOP INSTALLED DO NOT EXCEED 55MPH**

WARNING

This vehicle is capable of reaching speeds up to 25mph. Use caution when turning to avoid vehicle rollover. Improper operation of this vehicle may cause serious injury or death. Maintaining safe performance depends to a large extent on the operator.

Read, understand and follow all warning decals as well as your entire owners manual before operating this vehicle.

CAUTION

This utility vehicle comes equipped with a Low Oil Indicator Light located on the dash panel in the center of the vehicle. This light will come on when the key is turned to the "on" position, and then go off after the engine is started.

While operating the vehicle if the oil light becomes illuminated immediately turn the key to the "off" position to kill the engine.

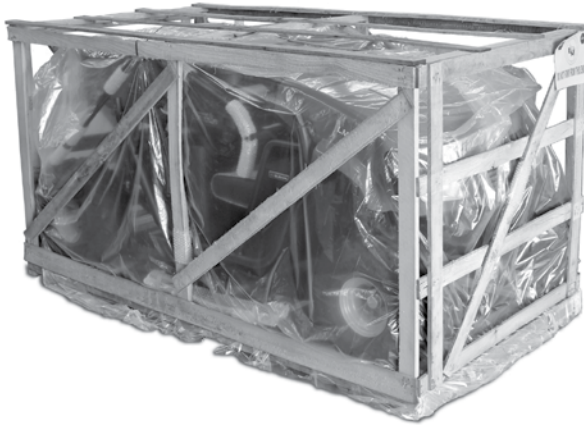
This vehicle comes standard with 25"x11" -12" off road tires. To compensate braking with the larger tires, the front hydraulic system is equipped with 8.75" rotors. The rear is the standard hydraulic drum setup.

NOTICE:

For all models with the Subaru 653cc motors, the EH65 High Altitude Jet Kit (Part# 2-20160) is required in order to be operated at an altitude of 5000 feet or higher.

UTILITY VEHICLE

ASSEMBLY INSTRUCTIONS



⚠ WARNING

Wear proper eye protection during the uncrating and assembly process to avoid potential eye injuries.

⚠ WARNING

RISK OF SERIOUS INJURY OR DEATH
The Brush Bars and the Seat and Shoulder Belt are critical parts of the Operator / Passenger safety system on this unit. Do not attempt to operate the unit until all components have been properly installed.

Your new Utility Vehicle should include the following items to be assembled:

Qty	Item
6	1/4" x 3/4" Socket head bolts (steering cap)
6	1/4" – 20 Nylock nuts (steering cap)
4	1/4" x 1" hex head bolts (poly bed)
10	1/4" Nylock nuts
4	1/4" x 3/4" Carriage bolts (steel bed)
4	1/4" Flat washers
6	5/16" x 2" socket head bolts
12	5/16" curved washers
12	5/16" nylock nuts
4	5/16" x 2" hex head bolts
2	5/16" x 2 1/4" Socket head bolts (LM)
2	5/16" Nylock nuts (LM)
2	5/8" x 4" Hex bolt
2	5/8" nylock nuts
1	Set of keys
1	Steering wheel (with cap)
1	Bumper
2	Rear fenders
2	Rear frame stubs
1	Seat back
1	Cage
1	Cargo Bed with tailgate

1 Uncrating the vehicle

- Wear your **Safety Glasses** to prevent eye injury.
- Using the **Hammer** and **Pry Bar**, remove cross supports at each end of the crate and discard.
- Carefully pry and remove crate top and sides then discard.

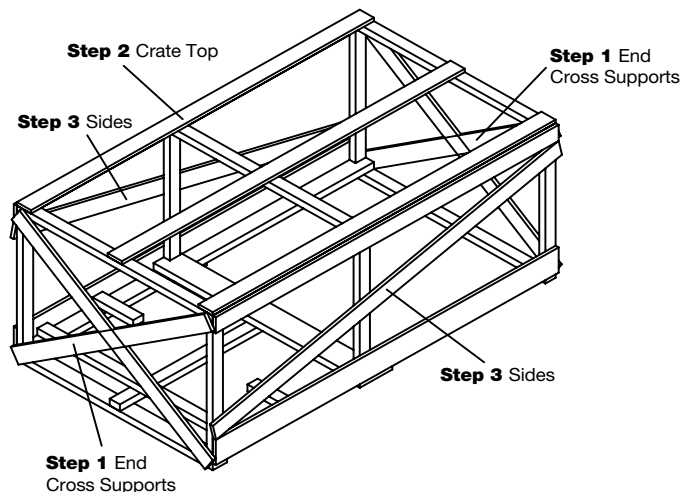
2 Remove crate sides and discard

- Using **Box Cutters**, cut and remove the hold down ties.
- Remove seat back and other loose items from underneath unit and set aside
- Remove the unit from the crate base and discard base.

NOTE: Some models may require installing front tires prior to removing from crate.

3 Unpacking the components

- Unpack all of the loose components from the unit and set aside.
- Remove protective plastic from each component and discard.



Pre-Assembly Instructions

- 1) Read Owner's Manual.
- 2) Unpack all vehicle and assembly parts. Make sure you have everything listed on the previous page.
- 3) If you have any questions or problems with your American SportWorks LLC product please call us, toll free 1-800-643-7332.

Seat / Brushguard Assembly

Your new American SportWorks UTV uses two socket head 5/16" x 2 1/4" bolts to hold the hood as well as the Brushguard in place, with an additional nylock behind the plastic as shown

- 1) Place seat back frame on vehicle frame tubes. Insert a 5/16" x 2" socket head bolt through both bottom joints. The head of the bolt should be on the outside of the vehicle. Put a curved washer on the threaded end of the bolt. Place a 5/16" nylock nut on the bolts but do not tighten.



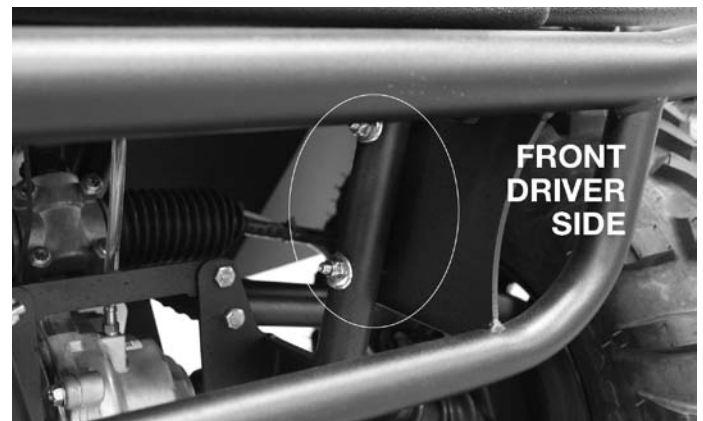
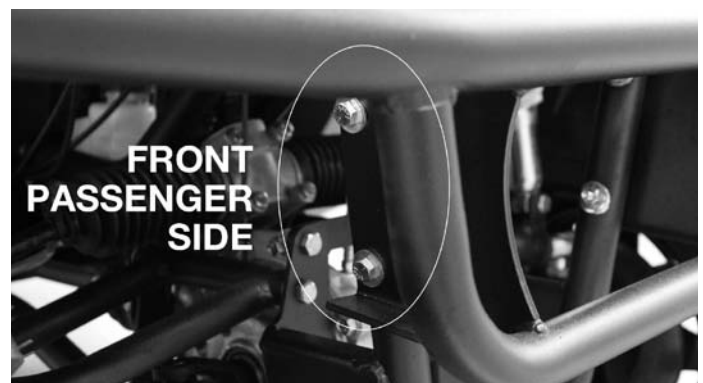
- 2) Place the cage on front vehicle frame tubes and seat back. Insert a 5/16" x 2" socket head bolt through all four joints. The head of the bolt should be on the outside of the vehicle. Put a curved washer on the threaded end of the bolt. Place a 5/16" nylock nut on the bolts.



- 3) Tighten the nylock against the bent washer VERY tightly to secure the Brushguard.
- 4) Then secure the plastic hood onto the same bolt with the second nylock nut located beneath the hood, until the bolt head is flush with the end of the nut.

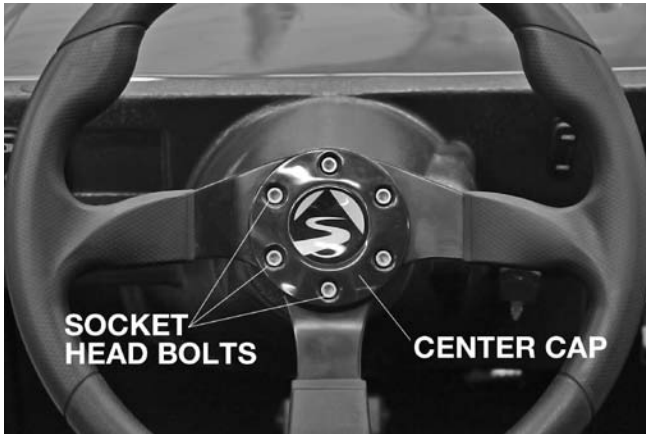
**Bumper Installation**

- 1) Align the holes in the front bumper with the mounting holes in the front frame tubes. Insert the four 5/16" x 2" bolts through the bumper bracket and then into the frame tubes. Put a curved washer on the threaded end of the bolt. Place a 5/16" nylock nut on the bolts and verify bumper is level before tightening.



Steering Wheel Installation

- 1) Turn vehicle steering so that the tires are pointed straight forward. There should be a mark showing the top of the steering hub. Line up holes in steering wheel with mounting holes so that the center spoke is pointing down.
- 2) Install $\frac{1}{4}$ " x $\frac{3}{4}$ " socket head bolts through the center cap, then into the steering wheel and steering hub. Tighten with $\frac{1}{4}$ " nylock nuts.

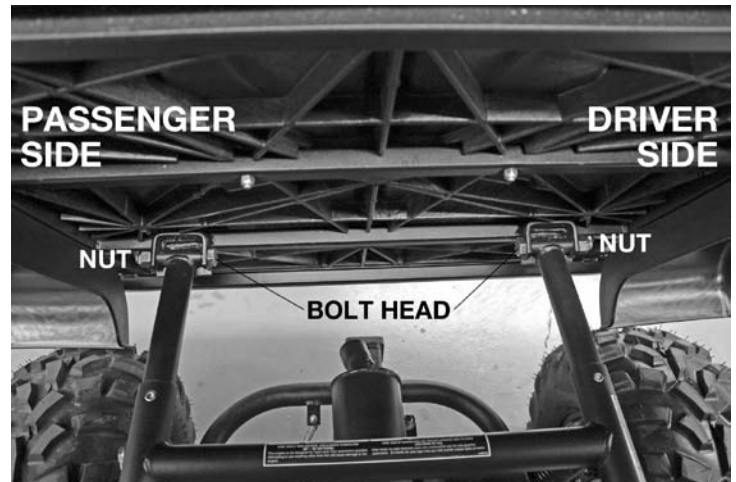


Cargo Bed Installation

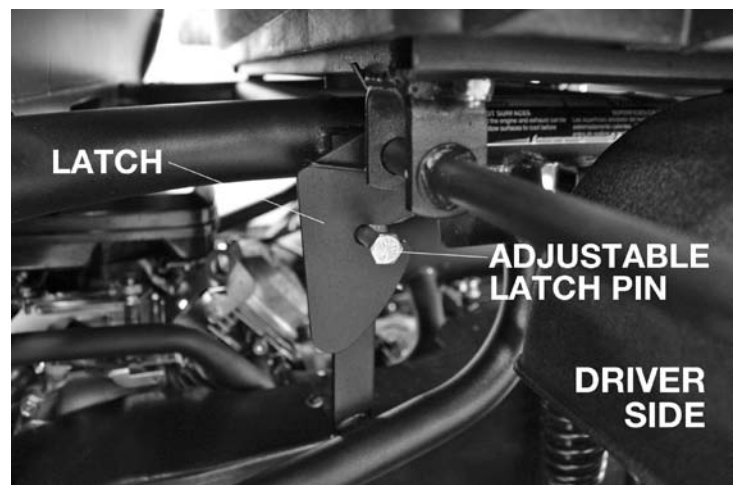
- 1) Locate and install rear frame stubs at the rear of frame. The bed pivot tube on the stub should be at the top. Insert $\frac{5}{16}$ " x 2" socket head bolt. Loosely install $\frac{5}{16}$ " center lock nut (do not tighten until after cargo bed is installed)



- 2) Place the cargo bed on the vehicle and insert a $\frac{5}{8}$ " x 4" hex head bolt through each pivot bracket and frame stub tube. **The bolt heads should be facing the center of the vehicle with the nuts facing the outside.**



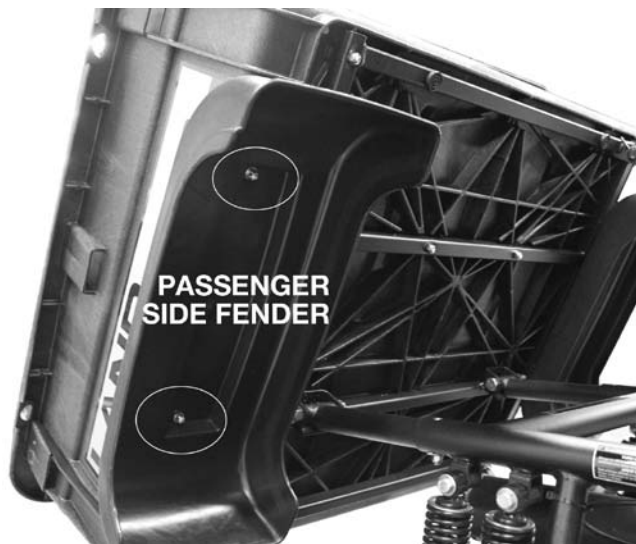
- 3) Tighten both $\frac{5}{16}$ " frame stub bolts and nuts.
- 4) Install the $\frac{5}{8}$ " nylock nuts on the pivot bolts. Tighten the pivots and then loosen $\frac{1}{4}$ turn.



- 5) Loosen the bed latch pin bolt on the frame just enough for it to slide in the adjustment slot.
- 6) Close the bed and position the latch pin bolt so that it is at the bottom of the latch slot to prevent rattles. Tighten the latch pin.

Rear Fender Installation

- 1) Fenders installation Tilt the cargo bed up. Line up the holes in the rear fenders with the square holes in the bed. The raised rectangular surface on the fender should be completely hidden under the bed. If not, turn the fender around. Insert a $\frac{1}{4}$ " x $\frac{3}{4}$ " carriage bolt through the bed and into the fender. Fasten with a $\frac{1}{4}$ " flat washer and a $\frac{1}{4}$ " nylock. (If installing fenders on a poly bed, you will use $\frac{1}{4}$ " x 1" hex head bolts instead of the carriage bolts.)



- 2) Secure underseat storage tray by pushing down firmly around the plastic seat bottom wrap.

**Seat Installation**

- 1) Place back of seat base / underseat storage tray over seat frame bar and lower seat base into position.



- 3) Place front tabs of seat bottom into the slots on the underseat storage tray and lower seat into position. Rear tabs of seat should fit into slots at the rear of seat base / underseat storage tray.



4x2 Utility Vehicles

General Operation

Start your Utility Vehicle by following the starting procedures as noted below.

1. Depress brake pedal with your foot and hold. Pull firmly up on the park brake lever with your hand until the lever is tight.
2. Place gearshift in neutral
3. Apply choke fully when engine is cold.
4. Turn ignition key fully clockwise and hold to start engine.
5. Release ignition key to run position and choke to normal operating position immediately after engine starts.
6. Turn ignition key counterclockwise to stop engine.

Driving is as easy as driving a car with an automatic transmission. A simple forward and reverse shifter provides direction control.

Just turn the key and the 12 volt electric starter provides safe and easy starting. There is a manual choke control below the seat for quick cold weather starting. A back-up pull-rope starter mechanism is provided on the engine just in case you accidentally leave the key on and run the battery down. The infinitely variable torque converter drive system means there is no clutching. You just shift into either forward or reverse when the vehicle is stopped and press the throttle pedal to go. Never shift while the vehicle is moving.

Braking is accomplished by simply depressing the brake pedal that is located on the floorboard left of the accelerator. A lever action parking brake control is mounted on the center console located between the operator and passenger seats. Depress the button on the park brake control lever to release the park brake.

Pre-Start Check List

- ☐ Check tire pressure as indicated.
- ☐ Make sure wheel lug bolts/nuts are tightened to 65ft. lbs.
- ☐ All nuts, bolts, screws, and fasteners should be checked.
- ☐ Turn on headlights to make sure battery has a charge and electrical lighting circuit is working.
- ☐ Check tail lights and brake lights. (if applicable)
- ☐ Check park brake to make sure it will engage, hold and release.
- ☐ Check steering by executing a full lock to lock turn in each direction.
- ☐ Check engine oil level at the dipstick. Add oil as indicated.
- ☐ Check differential oil level at the differential oil plug. Add gear lube as indicated.
- ☐ Check fuel valve lever position. Valve lever should be off except when running the engine.
- ☐ Check fuel level to make sure there is at least 1/8 of a tank of gas prior to performing initial starting operations.

Fuel Type

The fuel tank is located under seat.

390cc & 653cc Fuel Capacity is 5 Gal.

265cc Fuel capacity is 1.6 Gal.

When filling the fuel tank, place the gear shift in forward or reverse, set the park brake, turn off the engine, and remove ignition key. Clean dirt from around the fuel tank cap, remove cap, and begin filling. When finished, screw the cap back on securely and wipe up any spilled gasoline. Use regular unleaded gasoline with an octane rating of 87 or higher.

IMPORTANT: Never use methanol, gasoline containing methanol, or gasohol containing more than 10% ethanol because the fuel system could be damaged. Do NOT mix oil with gasoline.

Using a fuel stabilizer/conditioner in the vehicle can provide benefits such as:

- * Keeps gasoline fresh during storage of 90 days or less. For longer storage, drain the fuel tank.
- * Cleans the engine during operation.
- * Eliminates gum-like varnish build-up in the fuel system.

Add the correct amount of gas stabilizer/conditioner to the gas. Follow the gas stabilizer/conditioner manufacturer's directions for best results.

See engine operator's manual for the following:

- * Draining the fuel tank.
- * Checking fuel line for cracks and leaks.
- * Engine fuel valve lever.

Engine Maintenance

General Information

Detailed instructions and recommendations for break-in and regular maintenance are specified in the engine operator's manual. Engine warranty is backed by the engine manufacturer. Please refer to engine manufacturer's manual for engine servicing, lubricating oil levels, oil quality and viscosity recommendations, bolt torques, etc. Special attention should be paid to applicable data that is not duplicated here.

Engine Fuel Valve Lever

Refer to Figure 5-1

The engine fuel valve opens and closes the passage between the fuel tank and carburetor. Leave fuel valve lever in the OFF position when the engine is not in use to prevent carburetor flooding and reduce possibility of fuel leakage into the cylinder cavity and engine oil reservoir. Turn fuel valve lever to the ON position when running the engine.

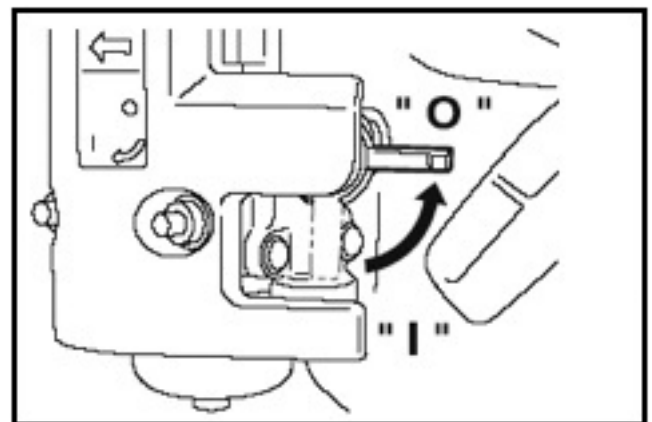
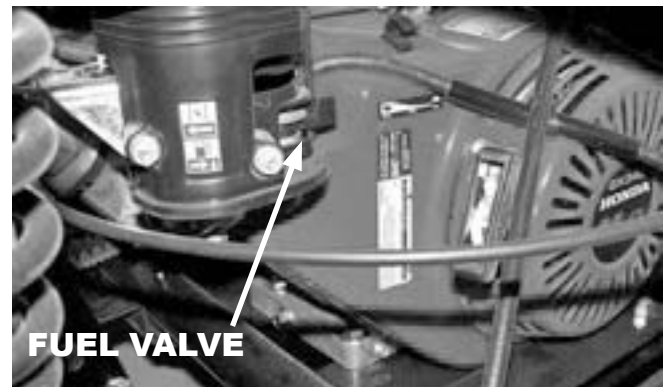


figure 5.1

Foam element – Clean foam element with detergent in warm water or in a nonflammable solvent. Do not wring element. Squeeze excess cleaning fluids out. Allow time for the element to dry and then soak it with clean engine oil. Squeeze excess oil out. Excess oil left in the filter will cause engine to smoke briefly when first started.

Before installing the filter elements to make sure they have not been damaged during cleaning. Never run an engine without the filters installed.

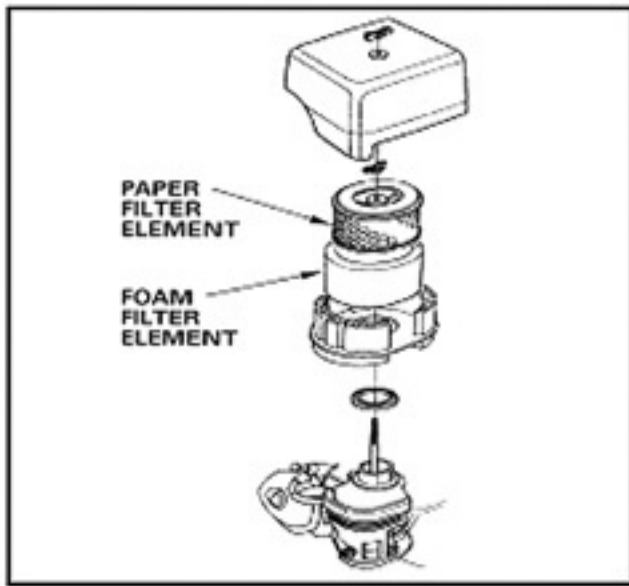


figure 5.2

Spark Plugs

HONDA

NGK BPR6ES
CHAMPION RN9YC
AUTOLITE 4263 / 63
DENSO W20EPR-U

SUBARU 265cc

NGK BR6HS
CHAMPION RLH6C

SUBARU 653cc

NGK BPR2ES

Air Filter Elements Replacement Parts

Description

Part No.

Honda

Paper Filter Element 2-20153

Honda

Foam Filter Element 2-20154

Subaru

Paper & Foam Element (653cc) . . . 2-20158

Subaru

Paper & Foam Element (265cc) . . . 279-32607-07

Fuel Hose – Inspect fuel hose monthly for cracks, leaks or other damage. Replace immediately if any damage is suspected.

Engine Oil

A general description for engine oil maintenance, recommendations, and capacities is provided below. See Engine Operator's Manual for a detailed description.

Note: Running engine low on oil can cause engine damage and void engine warranty.

Note: Overfilling of oil level can cause loss of power, engine damage and void engine warranty.

653cc Oil Filter Part# 2-20159

Engine Oil Fill and Drain Locations

Refer to Figure 5-4

REMOVE SEAT (and plastic tray if equipped) FOR EASY ACCESS

- **Filler cap/dipstick location:** At front of engine
- **Drain plug location:** At rear end of engine
- **Type of Lubrication:** SAE 30
- **API classification of SJ, SL or Equivalent**
- **Honda Oil Capacity:** 1.16 US qts. / 1.1 liters
- **Subaru 265cc Oil Capacity:** 1.1 US qts. / 1.0 liters
- **Subaru 653cc Oil Capacity:** 1.64 US qts./ 1.55 liter

Engine Oil Maintenance Schedule

- * Check oil level after each use.
- * Make first oil change after the first month of operation or at 20 hours of operation (whichever comes first).
- * Make all subsequent oil changes every 6 months or every 50 hours of operation (whichever comes first).

Engine Oil Level Check

Refer to Figure 5-4

Check engine oil daily with filler cap/dipstick located at the engine rear end as follows:

1. Park Vehicle on a level surface, set park brake, turn off ignition switch, and remove switch key.
2. Remove filler cap/dipstick and wipe it clean.
3. Insert and remove dipstick without screwing it into the fill neck. Check oil level shown on dipstick.
4. Fill to edge of oil fill hole with recommended oil when oil levels are low.
5. Replace filler cap/dipstick and tighten securely.

Engine Oil Change

Warm oil drains quickly and completely. Therefore, drain used engine oil while engine is still warm as follows:

1. Park vehicle on a level surface, set park brake, turn off ignition switch, and remove switch key.
2. Place a suitable container below engine to catch used oil. Remove filler cap/dipstick and drain plug.
3. Allow used oil to drain completely and then reinstall and tighten drain plug securely.
4. Dispose of used motor oil in a manner that is compatible with the environment. Do not throw used oil in the trash. Do not pour it on the ground, or down a drain.
5. Fill oil to the outer edge of the oil fill hole with recommended oil. Engine must be level when filling.
6. Replace filler cap/dipstick and tighten securely.

**SPECIAL NOTE: TO DRAIN ENGINE OIL
REMOVE REAR DRAIN PLUG ON ENGINE**

Engine Oil Drain, Fill & Check Locations

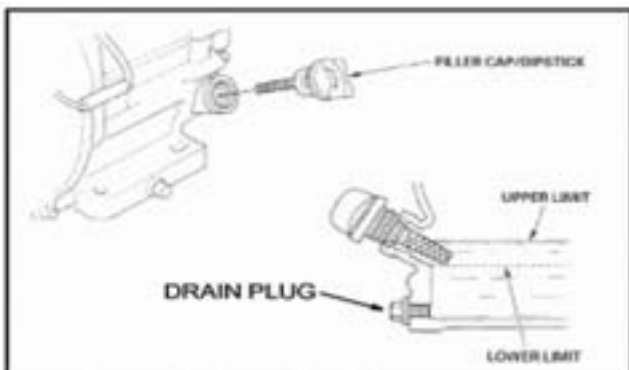


figure 5.4

Transaxle Oil

A general description for transaxle oil maintenance, recommendations, and capacities is provided below.

NOTE: Running vehicle low on transaxle oil can damage transaxle and void warranty.

Transaxle Oil Type, Fill, and Drain

Refer to Figure 5-5B

- * Fill cap location: At rear left hand side (See arrow)
- * Drain plug location: At bottom center of transaxle.
- * Type of Lubrication: SAE 30W oil.
- * Transaxle Lubrication Capacity: 20 oz.

Transaxle Oil Maintenance Schedule

- * Check transaxle housing for damage and possible oil leakage after each use.
- * Check transaxle oil level every 6 months or every 200 hours (whichever comes first).

This can be accomplished by Parking vehicle on a level surface, set park brake, turn off ignition switch, and remove switch key, using a clean long bladed screw driver (or similar object) insert into filler hole until it touches the bottom of gear case. Remove the screw driver. There should be approximately 2.1/4" to 2.1/2" of oil visible on screw driver. Refer to Figure 5-5A

- * Change transaxle oil once a year or every 600 hours (whichever comes first).



figure 5.5A

Transaxle Oil Change

Warm oil drains quickly and completely. Therefore, drain used transaxle oil while transaxle housing is still warm as follows:

1. Park vehicle on a level surface, set park brake, turn off ignition switch, and remove switch key.
2. Place a suitable container below the transfer case to catch used oil. Remove fill cap and drain plug.
3. Allow used oil to drain completely and then reinstall drain plug and tighten it securely.
4. Dispose of used transaxle case oil in a manner that is compatible with the environment. Do not throw used oil in the trash, pour it on the ground, or down a drain.
5. Fill transaxle housing with 20 oz. SAE 30W oil.
6. Replace fill cap and tighten securely.

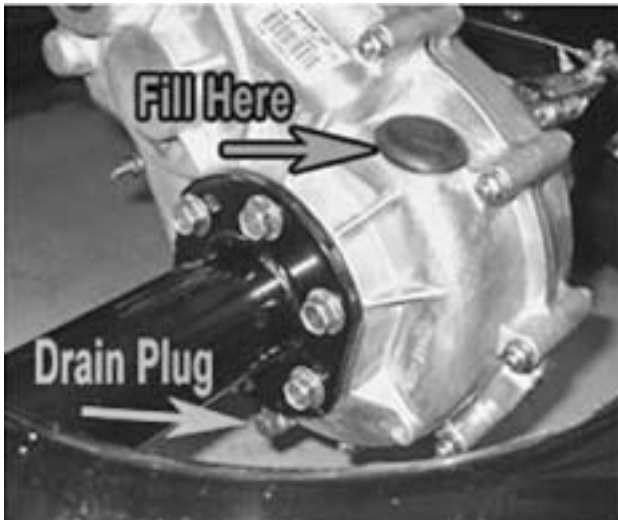


figure 5.5B

Drive Belt

The drive belt is considered a wearable item. Replacement intervals depend on vehicle use and environment. If your belt is slipping you may need to replace it.

1. Park vehicle on a level surface, set park brake, place shifter in Neutral, turn off ignition switch, and remove switch key.
2. Remove the upper belt covers. (It is not necessary to remove the bottom cover.)
3. "Walk" the belt off of the rear pulley as shown in Figure 5-6.



figure 5.6

4. Install the new belt on the front pulley first and "walk" it onto the rear pulley.
5. Reinstall the belt guards. Figure 5-7.

Attention: Failure to reinstall the belt guards may void your warranty.

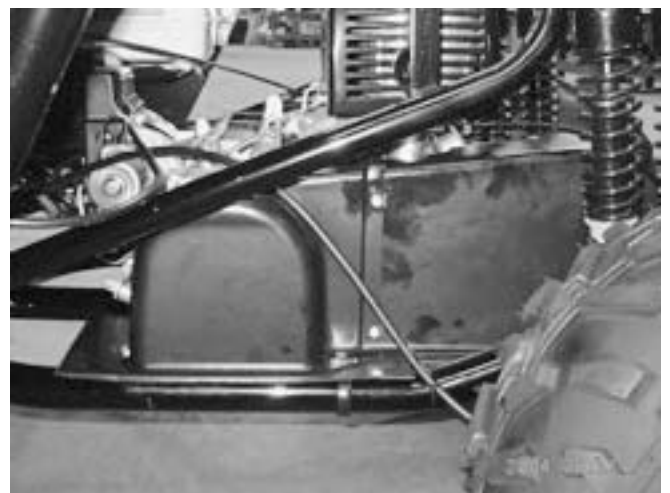


figure 5.7

Fuel in the Cylinder Cavity

In the event that the fuel valve is left open while transporting or towing this Utility Vehicle it is possible that fuel has leaked down into the cylinder cavity. If this has occurred the engine will not start. With the cylinder cavity full of fuel the engine will feel like it has “locked up”. Below are the proper steps to follow if your Utility Vehicle engine seems to have fuel in the cylinder cavity.

WARNING

Use EXTREME CAUTION when performing the activity below.

Gasoline is EXTREMELY FLAMABLE!

1. Move the vehicle to a well ventilated area, away from sparks or flame.
2. Park Vehicle on a level surface, set park brake, turn off ignition switch, and remove switch key.
3. Next, remove the wire connected to the spark plug. And remove the spark plug from the engine. (See Figure 6-1) (Spark Plug Wrench supplied with Operator's Manual)
4. **WARNING:** Stand away from the spark plug hole when performing step 5. Fuel can spray several feet.
5. Wearing eye protection, slowly pull the recoil start grip handle (See Figure 6-2) in an upward motion. This should force the fuel out of the cylinder cavity through the spark plug hole. Caution: This gasoline spraying out of the cylinder cavity is very flammable, use extreme caution and make sure there are no sparks or flames nearby.
6. Repeat step 3 until only air escapes out of the spark plug hole.
7. Properly replace the spark plug back into the cylinder head, move the vehicle away from any spilled fuel. If there is fuel on the vehicle itself, allow for it to evaporate before continuing.
8. Connect the plug wire. Your Utility Vehicle is now ready to start.

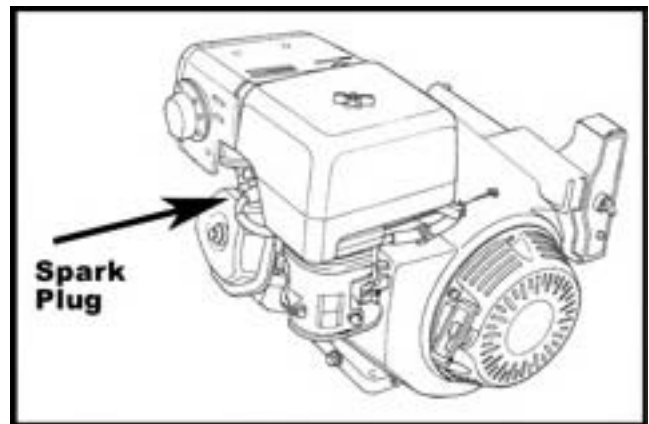


figure 6.1

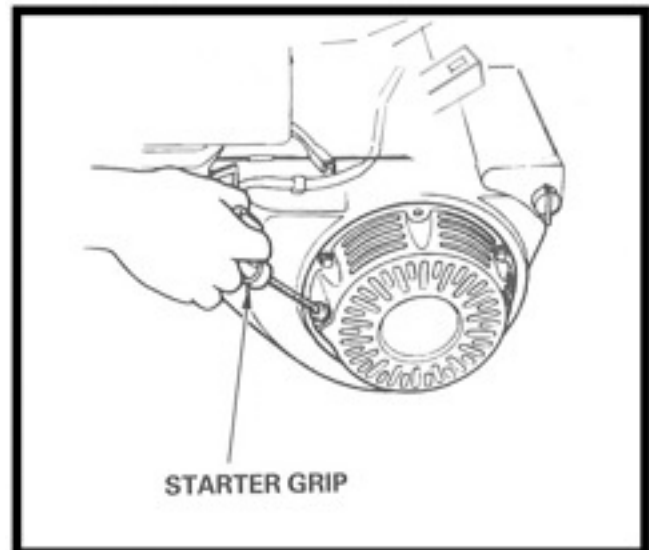


figure 6.2

SYMPTOMS	PROBABLE CAUSES	SUGGESTED REMEDIES
DEAD BATTERY	Key switch left on	Turn key off, recharge battery
	Bad battery	Replace battery
	Shorted starter solenoid	Replace starter solenoid
BATTERY WONT CHARGE	Loose or corroded battery connection	Clean and tighten connections
	Defective voltage regulator	Contact local service center
	Dead battery cell	Turn key on and pull rope to start engine. Replace battery as soon as possible
	Worn out or defective battery	Turn key on and pull rope to start engine. Replace battery as soon as possible
	Bad magnet on engine	Contact local Honda service center
ELECTRICAL SYSTEM NOT WORKING	Blown or missing fuse	Replace fuse
	Loose or corroded battery connection	Clean and tighten connections
	Worn out or defective battery	Replace battery
	Defective ignition switch	Replace ignition switch
	Bad connection in wire harness	Replace or replace wire harness
ENGINE BACKFIRES	Fouled sparkplug	Replace or clean sparkplug
	Missing or incorrectly installed air intake restrictor	Replace or correctly install air intake restrictor
	Throttle cable is defective or out of adjustment	Clean and oil or replace cable
ENGINE KNOCKS	Engine idle speed too low	Adjust engine idle
	Overloaded engine	Avoid overloading engine
	Stale or dirty fuel	Replace fuel with new fuel
ENGINE SHUTS DOWN WHILE TURNING, ON INCLINES, OR ON UNEVEN TERRAIN	Low engine oil	Check oil level with unit on level ground
	Honda oil sensor is bad	Get Honda low oil sensor changed by authorized Honda service center
STEERING FEELS FUNNY / PULLING TO ONE SIDE / HARD TO STEER (CALL NORMALLY FOR 4WD)	One side may still be engaged in 4WD with the switch off	Put unit in reverse and back up straight a few feet to get the axle to release
	One side may still be engaged in 4WD with the switch off	Take unit to a service center
BRAKES DONT WORK WELL / HARD TO PUSH / NO TRAVEL IN PEDAL	Brake rotors are dirty 4WD	Clean rotors with brake cleaner and test. A stiff pedal is normal for a 4WD unit
	Brake rotors are dirty 2WD	Put unit in reverse, back up at low speed and step hard on the brake (2WD units have an auto brake adjuster)
BELT SLIPPING / WILL NOT PULL UPHILL	Too much weight	Lighten load
	The belt is wet	Dry the belt
	Torque converter pulleys are dirty	Clean the torque converter
	Belt may have stretched or have a low spot causing slipping	Replace the belt

American SportWorks Utility Vehicle Shifter Trouble Shooting

Notice: Always check transmission oil level. Dip a clean screwdriver straight down in the fill hole to the bottom of the gear case. There should be about 2 ½ inches of oil on the screw driver. If oil needs to be added, use SAE 30 motor oil. See Page 19 for Instructions

- Engine will not turn over when key is turned to start.
– This vehicle is equipped with a safety switch that only allows starting in neutral.

Go to Neutral switch diagnostic procedure.

- Gears grind when going into a gear or vehicle stays in gear when shifted to neutral. – Cables need to be lubricated or adjusted.

Go to Cable adjustment procedure.

Neutral switch diagnostic procedure

If starter does not engage when shift lever is in neutral:

1. Apply the parking brake.
2. Turn and hold the key to start. – “Jiggle” the shift lever in the neutral slot. If the starter engages, release the key and call American SportWorks Customer service to order a neutral switch shim kit.
3. If the starter did not engage in step 2, turn and hold the key to start – slowly move the shift lever from neutral to reverse – if the starter engages, release the key. Repeat, moving the shift lever from neutral to forward.
 - If the starter did engage, go to **Cable adjustment procedure** section.
 - If the starter did not engage call Customer Service at 1-866-646-5278.

Cable adjustment procedure

Stiff or sticking cables can cause the vehicle to not shift properly and it may affect starting since the vehicle must go to neutral to start. Before attempting to adjust the cables there are several steps that can be taken to insure the cables are operating properly.

- Lubricate the cables. Behind the dash board there are two cables attached to the gear selector lever. Slide the rubber dust caps up the cable. Drip or spray penetrating oil into the cable housing while working the lever. Do this several times as the oil soaks into the housing. Test the vehicle. If this did not help move to the next step.
- Remove the center console (with cup holders). Find the shifter cables and cut the plastic ties that fasten them to the frame tube. Over tight cable ties can cause the

cable to bind. Replace cable ties but leave them loose so that the cable can move in them. Test the vehicle. If it is still not performing correctly, move to the adjustment procedures that follow.

Vehicles with serial number less than 17063.

(See brass tag near top of left rear shock absorber)

1. Loosen the cable adjusters behind the dash board. (figure 6.3)
2. Place the selector lever on the dashboard in forward.
3. Make sure the transmission is fully engaged in forward. The top of the shift lever on the transmission should be toward the passenger side. You may have to roll the rear wheels a little until it clicks in.
4. Pull the slack out of the forward most cable under the dash (but do not stretch the spring) and tighten the adjuster nuts or you can also use the adjuster nuts on the cable bracket located on the transmission.
5. Place the selector lever on the dashboard in reverse.
6. Make sure the transmission is fully engaged in reverse. The top of the shift lever on the transmission should be toward the passenger side. You may have to roll the rear wheels a little until it clicks in.
7. Pull the slack out of the rear most cable under the dash (but do not stretch the spring) and tighten the adjuster nuts or you can also use the adjuster nuts on the cable bracket located on the transmission.

If you have tried all of this and it is still not operating correctly, you may need new cables and a shifter update kit. Please call American SportWorks Customer Service at 1-866-646-5278. Have your Model and Serial number handy when you call.

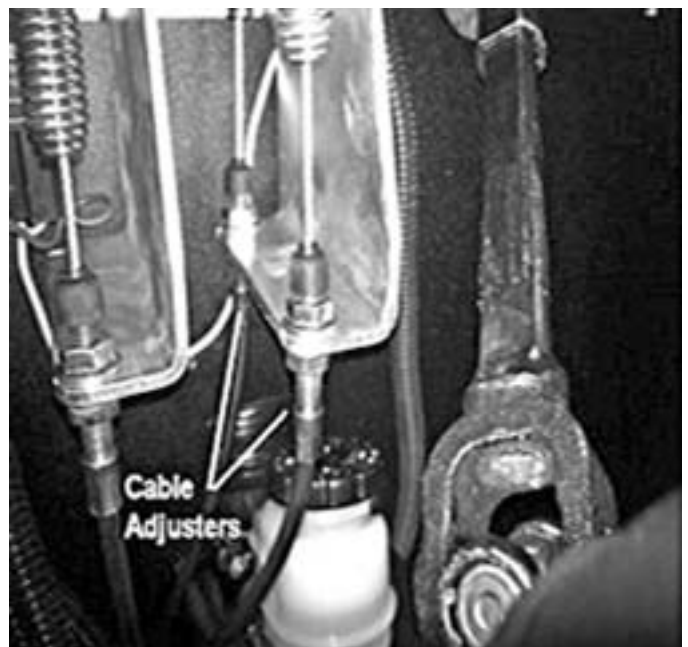


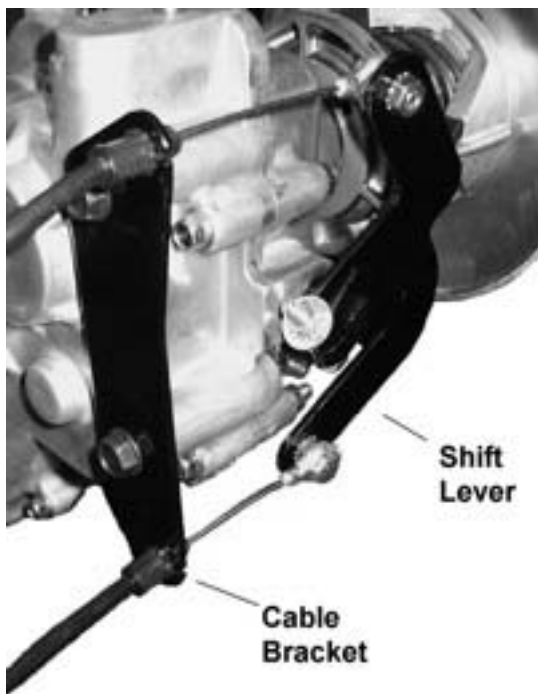
figure 6.3

Vehicles with serial number greater than 17063.

(See brass tag near top of left rear shock absorber)

1. Put the vehicle in neutral.
2. Loosen the cable adjusters behind the dash board.
(figure 6.3)
3. Make sure the selector lever on the dashboard is in neutral.
4. Make sure the transmission is in neutral. You can check by turning the key to Start. The engine will only turn over if the transmission is in neutral.
5. Pull the slack out of both cables (but do not stretch the springs) and tighten the adjuster nuts or you can also use the adjuster nuts on the cable bracket located on the transmission.

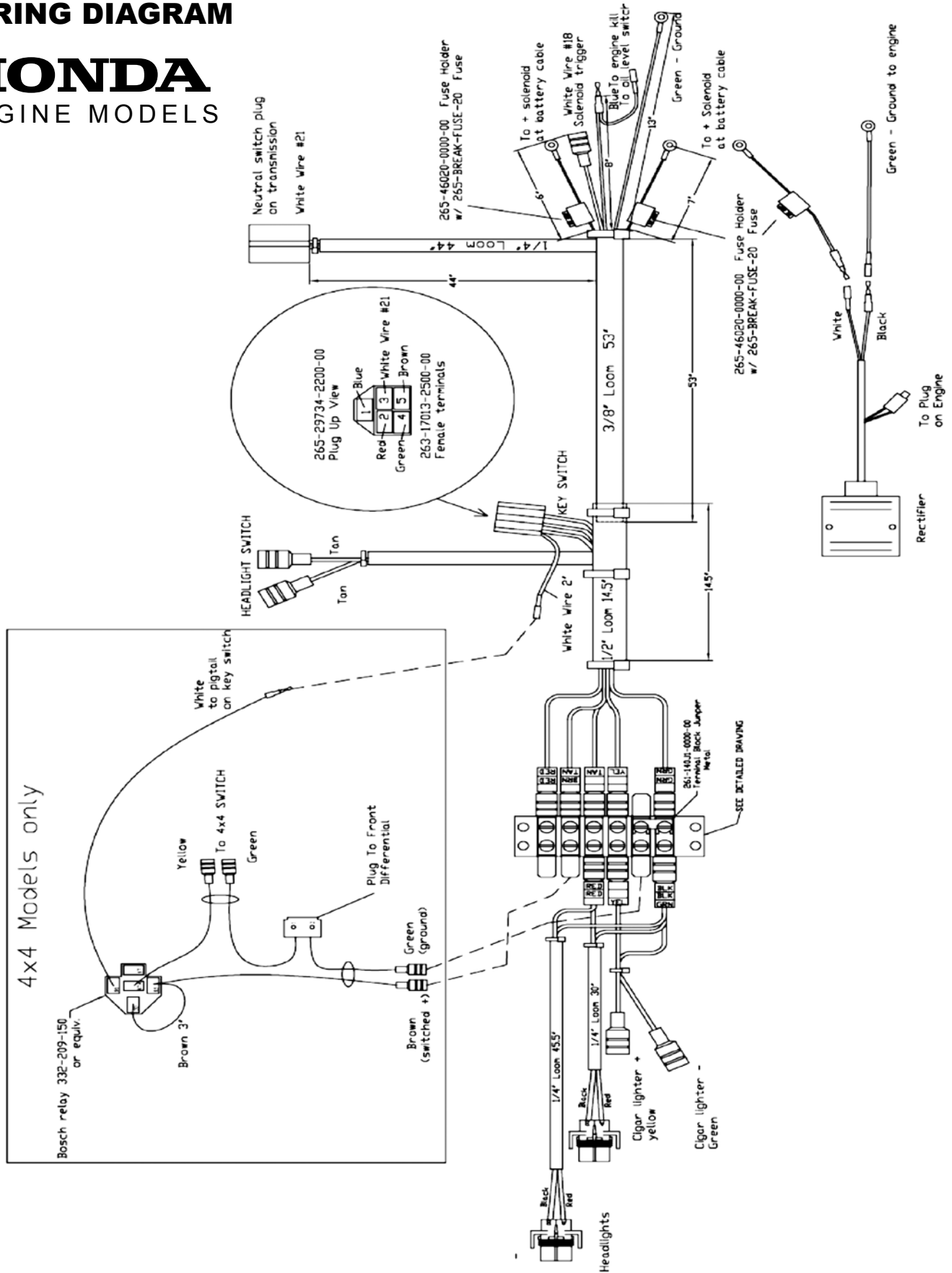
If you have tried all of this and it is still not operating correctly, you may need new cables. Please call American SportWorks Customer Service at 1-866-646-5278. Have your serial number handy when you call.



WIRING DIAGRAM

HONDA

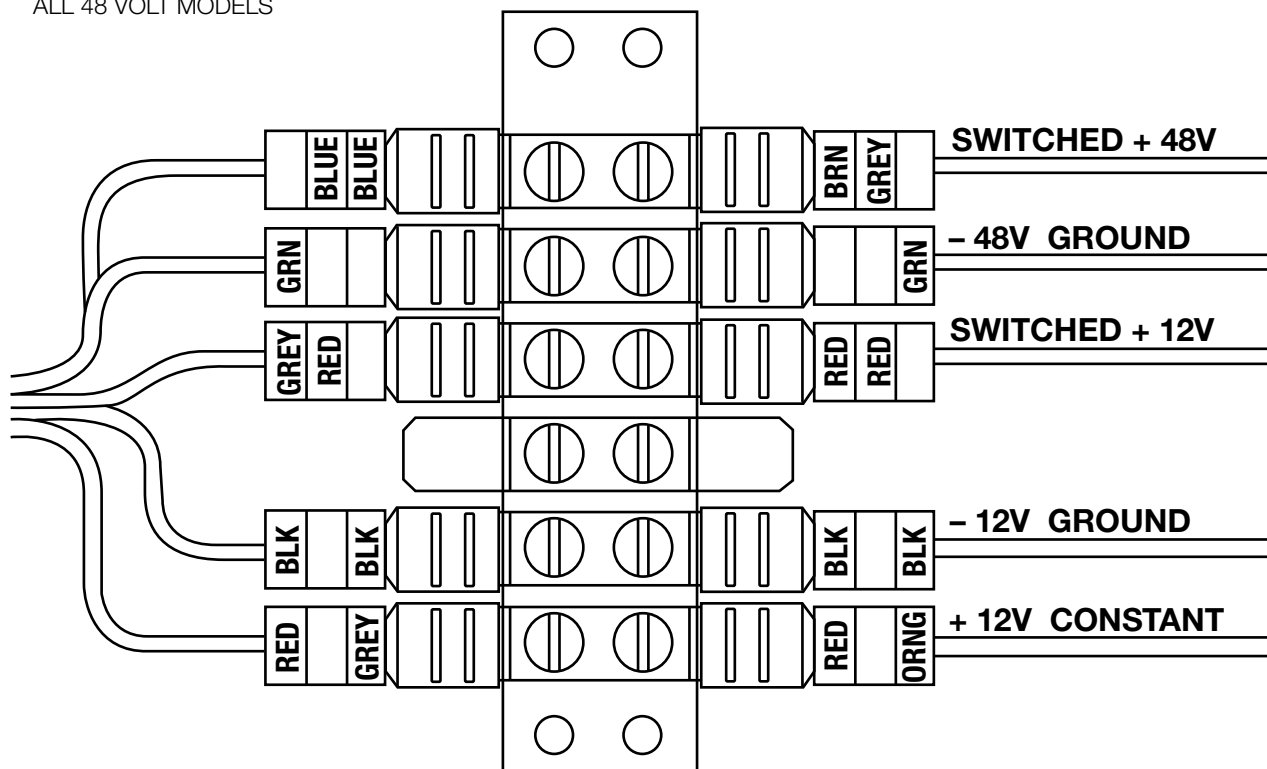
ENGINE MODELS



WIRING DIAGRAM TERMINAL BLOCKS

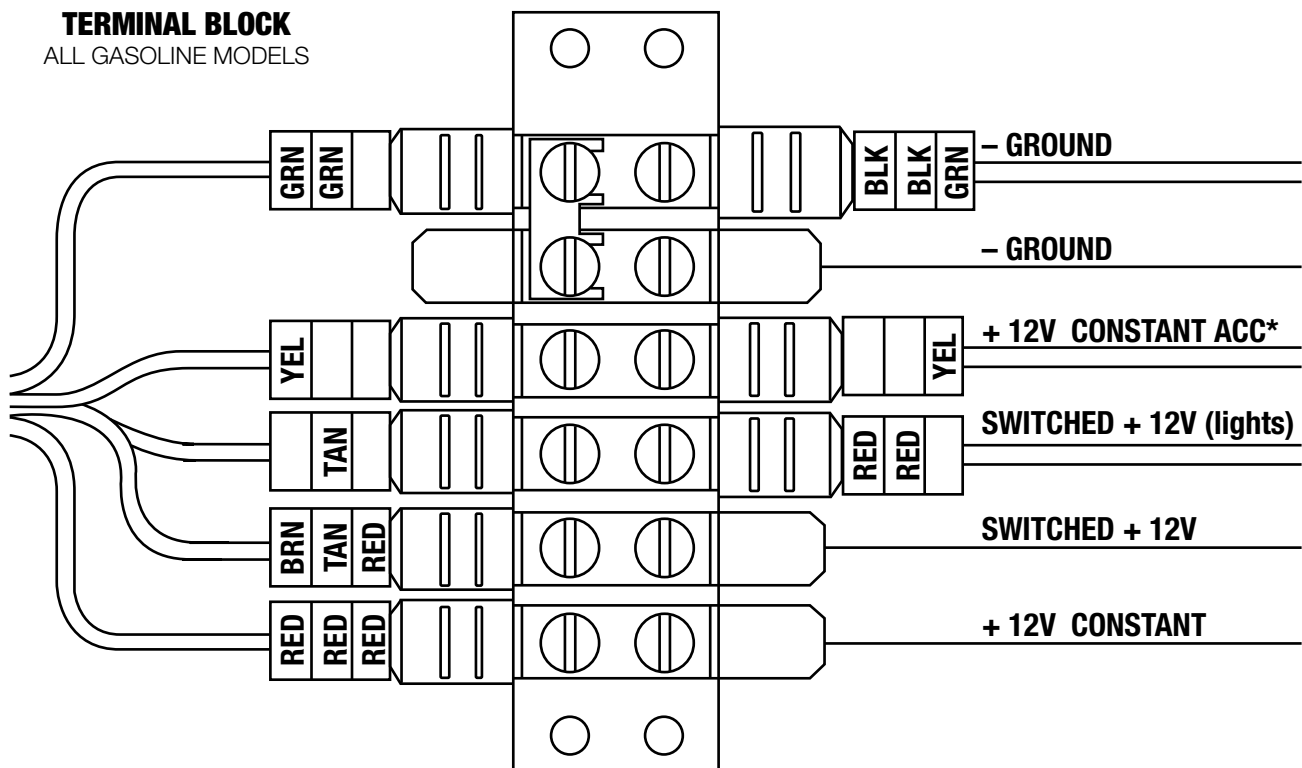
TERMINAL BLOCK

ALL 48 VOLT MODELS



TERMINAL BLOCK

ALL GASOLINE MODELS



2 WHEEL DRIVE

(2-20833)



TRANSAXLE

PARTS BREAKDOWN

**For units equipped with
locking differential**

**Please contact our Customer Service
Department (866-646-5278)
To special order DANA Transaxle Parts**



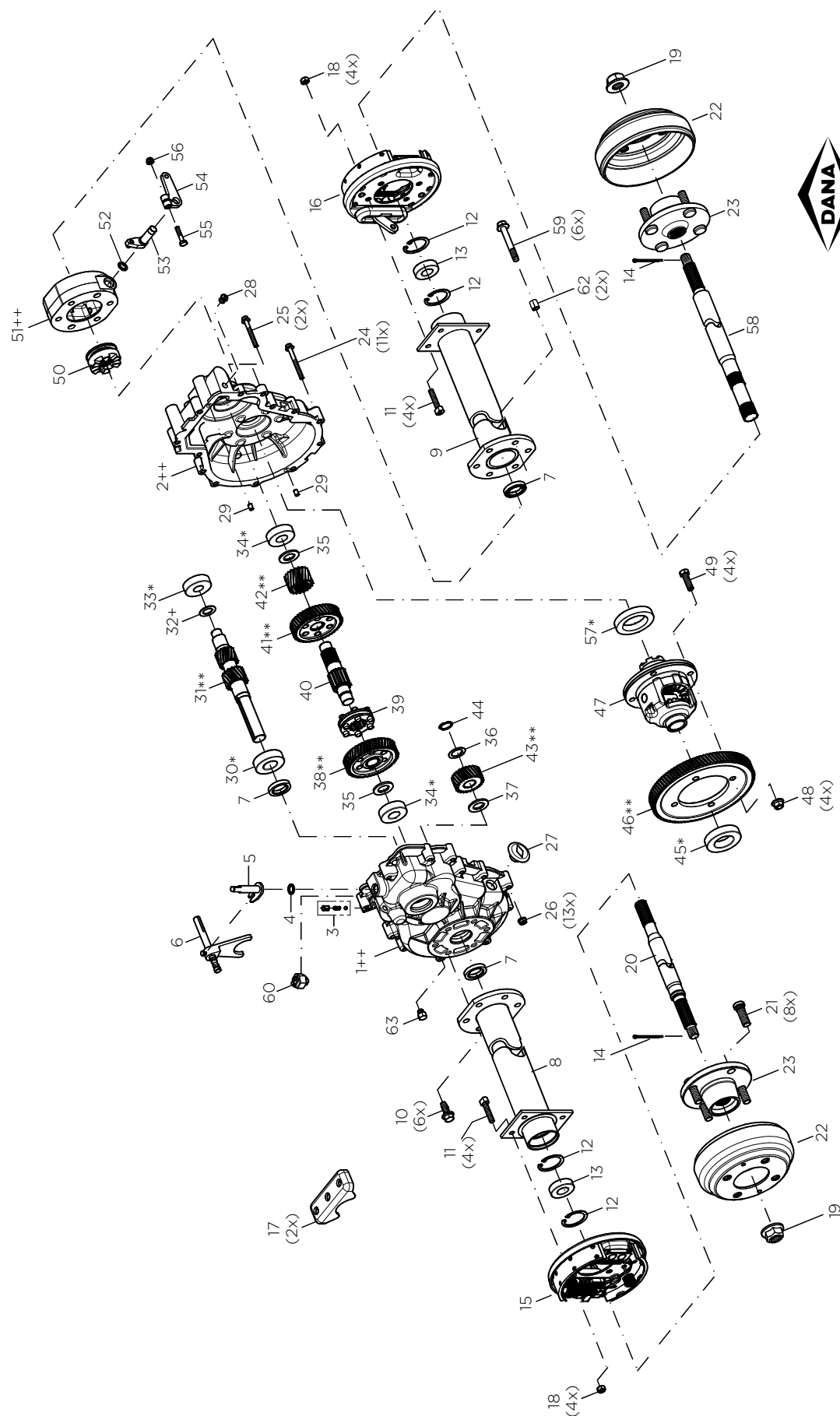
**SPICER OUTDOOR POWER
EQUIPMENT COMPONENTS DIVISION
DANA CORPORATION
FREDERICKTOWN, OH 43019
SERVICE PARTS REPLACEMENT LISTING
DATE ISSUED: 12/13/2004**

**MODEL NO.: 012AJ396-1
DESCRIPTION: AXLE ASSEMBLY, REAR
(FNR w/ Differential Lock)**

Key No.	DANA Part No.	No. Req'd	Description
1	012CH345X	1++	Housing, Axle (w/ Idler Shaft)
2	012CH320	1++	Housing, Axle, Finished
3	012LK133	1	Kit, Detent
4	012HH122	1	Seal, Oil
5	012GV164X	1	Assembly, Actuator
6	012SV118X	1	Assembly, Shift Rod
7	012HH128	3	Seal, Oil
8	012TA372-1X	1	Assembly, Tube
9	012TA373-1X	1	Assembly, Tube
10	070HM282	6	Screw, Flange Head
11	070HM251-1	8	Screw, Socket Head
12	840293	4	Ring, Retaining
13	012HD106	2	Bearing, Ball
14	500024-6	2	Pin, Cotter
15	012WD116-1X	1	Assembly, Brake
16	012WD116-2X	1	Assembly, Brake
17	34617	2	Seat, Spring
18	070HN218	8	Nut, Lock
19	012HN127	2	Nut, Hex Flange
20	012SR170-1	1	Shaft, Axle
21	012HM132-1	8	Bolt, Wheel
22	012WA123	2	Drum, Brake
23	012HU137X	2	Assembly, Hub, Wheel
24	012HM110-1	11	Screw, Flange Head
25	012HM110-2	2	Screw, Flange Head
26	012HN120	13	Nut, Lock
27	41356	1	Plug, Rubber
28	012HN140	1	Vent
29	012HP120	2	Pin, Dowel
30	585965	1*	Bearing, Ball
31	012GS307	1**	Shaft, Input
32	012LK134	1+	Kit, Shim
33	012HD111	1*	Bearing, Ball
34	012HD129	2*	Bearing, Ball
35	012HS121	2	Spacer, Flat
36	012HS126	1	Washer, Thrust
37	012HS125	1	Washer, Thrust
38	012GS202X	1**	Gear Assembly, Forward
39	012GS302	1	Gear, Clutch
40	012GS200	1	Shaft, Intermediate
41	012GS204X	1**	Gear Assembly, Reverse
42	012GS215	1**	Gear, Helical (Pinion)
43	012GS207X	1**	Gear Assembly, Idler
44	012HR128	1	Ring, Retaining
45	585994	1*	Bearing, Ball
46	012GS216	1**	Gear, Helical (Ring)
47	012KD129	1	Assembly, Differential
48	012HN138	4	Nut, Lock
49	012HM129	4	Bolt, Hex
50	026HS104	1	Gear, Clutch, Diff. Lock
51	012CH319	1++	Housing, Diff. Lock
52	3112	1	Seal, Oil

- * These Ball Bearings are available packaged together as a kit. Order Dana number 012KD124 for this kit.
- ** The Internal Gears are available packaged together as a kit. Order Dana number 012KG106 for this kit.
- + Use Shim(s) as required to maintain proper clearances.
- ++ Sealant is to be applied between Left Hand and Right Hand Axle Housings. Sealant is to be applied between Right Hand Axle Housing and Diff Lock Housing. Use Loctite Gasket Eliminator No. 518 or equivalent.

Key No.	DANA Part No.	No. Req'd	Description
53	012SV117X	1	Assembly, Shift Shaft
54	314004	1	Lever, Actuating
55	4150221	1	Screw, Hex Head
56	4150223	1	Nut, Lock
57	012HD142	1*	Bearing, Ball
58	012SR171-1	1	Shaft, Axle
59	012HM137	6	Screw, Flange Head
60	5803	1	Switch
62	026HP100	2	Bushing - Dowel
63	012HG145	1	Drain Plug



DANA CORPORATION
SPICER OUTDOOR POWER
EQUIPMENT COMPONENTS DIVISION

MODEL 012AJ396-1



limited warranty

Full Size Utility Vehicle

American SportWorks (hereinafter referred to as “ASW”), hereby warrants to the original purchaser, that a new ASW UTV will be free from defects in material and workmanship. The period of warranty is one (1) year from date of purchase for the component parts (except as noted below) and three (3) years from the date of purchase for a Honda engine or Briggs & Stratton Vanguard Engine and five (5) years from the date of purchase on a Subaru engine (engine warranties are covered by the engine manufacturer). Please refer to the engine manufactures warranty policy included with your ASW product.

ASW, if notified of a defect in material or workmanship during the period of warranty, will repair or replace, at its option, defective parts at no charge, other than the reasonable cost for the transportation of the component(s). ASW will also agree to pay reasonable charges for labor, if necessary, to perform a warranty repair.

The original purchaser must operate the vehicle and maintain the vehicle in accordance with the instructions provided in the Operator’s Manual, the supplements hereto, and labels affixed to the vehicle.

General Exclusions: This limited warranty does not cover component failure or damage caused by any of the following: abnormal strain or stress, neglect; abuse; improper assembly of components which were supplied in the factory sealed carton after the vehicle left ASW; improper maintenance, improper use of the vehicle, including, but not limited to racing, jumping, stunt driving, or any other uses prohibited by the Operator’s Manual. Additionally, this warranty does not cover component failure or damage to vehicles which are leased or rented, or vehicles which are used at a concession track.

Specific Exclusions: This limited warranty does not apply to components, which are subject to normal wear and tear. These items include, but are not limited to, the tires, brakes, throttle, shift, and brake cables, drive belt, the torque converter system, chain, seat, lights, fasteners, decals, or cosmetic body panels.

Warranty Service: To obtain warranty service you must return your ASW product to the local authorized dealer or service center, you must inform them of your warranty problem and provide proof of purchase before any warranty service is provided. The authorized dealer or service center will inspect the product to determine what warranty repairs or parts are needed and if the problem meets the requirements of ASW’s Limited Warranty Policy. To locate the authorized dealer or service center nearest you please call ASW customer service at 800-643-7332, or visit our website at www.amsportworks.com for more information.

ASW MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATIONS AND TIME LIMITATIONS SPECIFIED IN THE WARRANTY ABOVE ARE HEREBY DISCLAIMED BY ASW AND EXCLUDED FROM THIS WARRANTY. ADDITIONALLY, THIS WARRANTY EXCLUDES ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF USE. SOME STATES, PROVINCES OR COUNTRIES DO NOT ALLOW A MANUFACTURER TO EXCLUDE OR LIMIT INCIDENTAL OR CONSEQUENTIAL DAMAGES AND, THEREFORE, THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

SOME STATES, PROVINCES OR COUNTRIES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY WILL LAST; IT IS POSSIBLE THAT THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS,

Service and Warranty Special Note

Should your American SportWorks product require warranty repair, service or if you have any questions concerning assembly, replacement parts or how to care for your product please contact your local American SportWorks dealer or American SportWorks directly.

American SportWorks Dealers:

To locate the authorized dealer nearest you please call American SportWorks customer service at 1-800-643-7332, visit our website at www.amsportworks.com or contact your place of purchase.

Mail:

Customer Support
c/o American SportWorks
4404 Engle Ridge Drive
Ft. Wayne, IN 46804

Telephone:

Customer Support
American SportWorks
1-800-643-7332

Fax:

Customer Support
American SportWorks
1-800-399-1399

e-mail:

Customer Support
American SportWorks
support@amsportworks.com



UTILITY VEHICLE SET-UP, PRE DELIVERY CHECKLIST AND WARRANTY ACTIVATION

MODEL #	SERIAL #	DATE OF PURCHASE
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DEALER SET-UP

- | | |
|---|---|
| <input type="checkbox"/> VISUALLY - inspect for damage | <input type="checkbox"/> OWNER MANUAL - verify all are there |
| <input type="checkbox"/> FASTENERS - inspect for missing bolts, nuts | <input type="checkbox"/> WELDS - inspect for missing |
| <input type="checkbox"/> CHECK ORDER - verify all items are as ordered | <input type="checkbox"/> CLEAN UP - check clean up of unit |
| <input type="checkbox"/> LOOSE COMPONENTS - verify all are there | <input type="checkbox"/> DECALS - inspect for missing decals |

SET UP BY:

DATE:

PRE DELIVERY

- | | |
|---|--|
| <input type="checkbox"/> TIRES - adjust pressure to proper specification | <input type="checkbox"/> BATTERY - insure that it is fully charged |
| <input type="checkbox"/> WHEELS - check lug and axle nut for proper torque | <input type="checkbox"/> KEYS - verify operations of key switch |
| <input type="checkbox"/> CAGE - check to insure cage is assembled properly | <input type="checkbox"/> LIGHTS - verify proper operation of all lights |
| <input type="checkbox"/> FASTENERS - check all fasteners for proper torque | <input type="checkbox"/> AXLE - inspect attachment and wheel bearings |
| <input type="checkbox"/> TRANSAXLE - insure oil level is correct | <input type="checkbox"/> ENGINE - check engine RPM's for settings |
| <input type="checkbox"/> PARKING BRAKE - insure that working correctly | <input type="checkbox"/> SEAT RESTRAINTS - insure installed properly |
| <input type="checkbox"/> DUMP BED - insure latch is adjusted properly | <input type="checkbox"/> SEATS - insure seat is installed properly |
| <input type="checkbox"/> SHIFT LEVER - insure working properly | <input type="checkbox"/> GUARDS - inspect for missing bolts, nuts, guards |
| <input type="checkbox"/> BRAKE - insure brake is adjusted and working | <input type="checkbox"/> THROTTLE - insure throttle is working properly |
| <input type="checkbox"/> OIL - insure that engine oil level is correct | |

CHECKED BY:

DATE:

DEALER INFORMATION

NAME	PHONE
ADDRESS	FAX
CITY, STATE, ZIP	EMAIL

CUSTOMER CHECKLIST

- | | | |
|---|---|--|
| <input type="checkbox"/> VISUAL INSPECTION | <input type="checkbox"/> MY DEALER DEMONSTRATED ALL CONTROLS | <input type="checkbox"/> I understand that this product is designed for off road use only and is intended for use on public roads or highways. |
| <input type="checkbox"/> RECEIVED SERVICE INSTRUCTIONS | <input type="checkbox"/> RECEIVED KEYS & ENGINE MANUAL | <input type="checkbox"/> I understand that before operating this vehicle all operators and passengers must read, follow and understand all safe operating instructions |
| <input type="checkbox"/> SHOWN ALL ENGINE CONTROLS | <input type="checkbox"/> I have reviewed and understand the warranty policy | |
| <input type="checkbox"/> WARRANTY EXPLAINED FULLY | <input type="checkbox"/> I have visually inspected unit and found no defects | |
| <input type="checkbox"/> RECEIVED OWNERS MANUAL | <input type="checkbox"/> I understand this vehicle product is not designed for racing | |

CUSTOMER WARRANTY ACTIVATION / REGISTRATION INFORMATION

NAME	PHONE
ADDRESS	FAX
CITY, STATE, ZIP	EMAIL
SIGNATURE	DATE

11/19/2012

TO ACTIVATE WARRANTY THIS FORM MUST BE RETURNED WITHIN TEN (10) DAYS